

Part Number: 1175A

T1/DS1 Central Office, #22-1pr, Shielded, CMR/CMG



Product Description

22 AWG solid tinned copper conductors, twisted pairs, polyethylene insulation, overall Beldfoil® shield (100% coverage), 24 AWG solid tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Bits Timing Cable, DS1, T1, Central Office, Cross-Connect, Interconnect

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	Solid	TC - Tinned Copper	0.0254 in	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

Insulation

Material
PE - Polyethylene

Color Chart

Number	Color
1	Blue & White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	0.01975 in	24	Solid

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.195 in	0.020 in
	0.195 in	

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
16.7 Ohm/1000ft	16.7 Ohm/1000ft	

Capacitance

Nom. Capacitance Conductor to Conductor
17 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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Inductance

Nominal Inductance

0.24 µH/ft

Impedance

Nominal Characteristic Impedance

100 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.772 MHz	0.45 dB/100ft
1 MHz	0.5 dB/100ft
4 MHz	0.88 dB/100ft
10 MHz	1.4 dB/100ft
20 MHz	2 dB/100ft

High Freq

Frequency [MHz]

0.772 MHz

1 MHz

4 MHz

10 MHz

20 MHz

Current

Max. Recommended Current [A]

4.5 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight: 17 lbs/1000ft

Max Recommended Pulling Tension: 15.5 lbs

Min Bend Radius/Minor Axis: 2 in

Standards

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/11/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: No

EU RoHS Compliance Date (yyyy-mm-dd): 2005-08-19

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1666 Riser

UL Voltage Rating: 300V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	Footnote
1175A 0021000	RED	C
1175A 00210000	RED	C
1175A 0025000	RED	C
1175A 0026600	RED	C

Footnote: C - CRATE REEL PUT-UP.

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